

A LIST OF LAND SHELLS COLLECTED IN CUBA IN JULY, 1926

BY E. E. HAND

The following list of 102 species and varieties were collected by Messrs. D. L. Emery, H. N. Lowe and myself, during our Cuban trip described in the October NAUTILUS. The following is a list of the localities visited:

| | |
|---------------------|---------------------|
| Abra de Figueroa | Yumuri Valley |
| Near Bellamar Caves | Matanzas |
| Camoa | Sierra de Paso Real |
| Sierra de Guane | Pinar del Rio |
| Guyabal | Playa Marianao |
| Havana | El Tumbadero |
| Mariel | Vinales |

The genera and species are arranged alphabetically for easy reference.

Alcudia dissimulans Poey. Sierra de Guane.

hispidula Pfr. Matanzas.

minima Orb. Guyabal.

nitida Pfr. Matanzas.

velutina Poey. Sierra de Guane.

Annularia blaini Gund. (= *semicanus*, Morelet.). Vinales.

illustris Poey. Matanzas.

Cepolis bonplandi Lam. Havana, Matanzas and Pinar del Rio Prov.

bonplandi var. Prov. Havana, Matanzas, Pinar del Rio.

cubensis Pfr. Matanzas.

cubensis var. *camoensis*. Camoa.

multistriata Desh. Guyabal.

parallela Poey. Sierra de Guane, Sierra de Paso Real.

parriana Orb. El Tumbadero, Vinales.

subtussulcata Pfr. El Tumbadero, Vinales.

Cerion infandum Shutl. Matanzas.

marielinum Torre. Mariel Lighthouse.

chrysalis Fér. Playa Marianao.

mumia fastigiatum Mayn. Havana.

- mumia* Brug. E. Side Matanzas Bay.
mumiola Pfr. E. Side Matanzas Bay.
mumiola var. Matanzas.
johnsoni Pils. & Van. Mile E. of Mariel Lighthouse.
salvatori Torre. 1 mile E. of Mariel Lighthouse.
Chondropoma auberianum Orb. Guyabal, Matanzas.
affine Torre. El Tumbadero, Vinales.
dentatum Say. Matanzas.
egregium Gund. El Tumbadero, Vinales.
gundlachi Arrango. Sierra de Paso Real.
irradians Shutt. Abra de Figueroa, Matanzas.
obesum Menke. E. Side Matanzas Bay.
ottonis Pfr. Guyabal.
pfeifferianum Poey. Guyabal, Camoa.
pictum Pfr. Matanzas.
pictum minor. Matanzas.
poeyanum Orb. Guyabal, Camoa, Mariel.
poeyanum gouldianum. Abra de Figueroa.
sagebieni Poey. Sierra de Guane, Caves near Mendoza.
shuttleworthi Pfr. Sierra de Guane.
shuttleworthi scopulorum Torre. El Tumbadero, Vinales.
vinalense (Wright) Pfr. Vinales.
yucayum Presas. Near Bellamar Caves, Matanzas.
Ctenopoma bilabiatum Orb. Sierra de Guane and Sierra de Paso Real.
Eutrochatella conica Pfr. = (*elegans* Orb.). Guyabal, Matanzas.
chrysochasma Poey. Caves near Mendoza.
jugulata Poey. Sierra de Guane.
nodae Arrango. Vinales.
regina lyrata Torre. Vinales.
remota Poey. Vinales.
rupestris Pfr. Matanzas.
sloani Orb. Camoa.
Eutudora camoensis Torre. Loma de Camoa.
limbifera Menke. Near Bellamar Caves, Matanzas.
Helicina adspersa Pfr. Guyabal, Camoa, Vinales, Matanzas.
adspersa onusta Fér. El Tumbadero, Vinales.

- sagariana* Orb. Sierra de Guane, Sierra de Paso Real, El Tumbadero, Vinales.
- submarginata* Gray. Yumuri Valley, Matanzas.
- Laevoleacina oleacea* Fér. Matanzas.
- solidula* Pfr. Matanzas.
- subulata* Pfr. Matanzas.
- Liguus crenatus* Swains. Matanzas to Guane.
- fasciatus* Müll. Havana, Matanzas.
- fasciatus hepaticus* Bolt. El Tumbadero, Vinales.
- fasciatus murreus* Rve. Matanzas to Guane.
- Megalomastoma apertum* Poey. Camoa, Guyabal.
- mani decurrens* Poey. Sierra de Guane.
- Microceramus perconicus* Pils. *anafensis* Hend. Guyabal.
- Opeas gracile* Hutt. Playa Marianao.
- Pleurodonte auricoma* Fér. Havana Province.
- auricoma major*. Havana Province.
- auricoma minor*. Havana Province.
- guanensis* Poey. Sierra de Guane, Sierra de Paso Real, El Tumbadero, Vinales.
- marginella* Fér. *arangiana* Poey (Introduced). San Francisco.
- marginella transitoria* Pfr. (Introduced). Guanabacoa.
- Polygyra paludosa* Pfr. Everywhere.
- Praticolella griseola* Pfr. Playa Marianao.
- Proserpina depressa* Orb. Everywhere.
- Rhytidopoma nodulatum* Poey. Guyabal, Sierra de Anafe.
- rugulosum* Pfr. Abra de Figueroa.
- Subulina octona* Brug. Playa Marianao.
- Thysanophora boothiana* Pfr. Guyabal.
- stigmatica* Pfr. Havana and Pinar del Rio Provinces.
- Torrella immersum* Gund. Matanzas.
- Urocoptis cærulans* Poey. Sierra de Guane.
- cyclostoma ischna* Pils. Camoa.
- dautzenbergiana* Crosse. Sierra de Paso Real.
- discors* Poey. Sierra de Guane.
- elegans* Pfr. Near Bellamar Caves.
- elegans auberiana* Orb. Playa Marianao, Abra de Figueroa.
- humboldtiana* Pfr. Camoa.

- irrorata* Gund. Vinales.
nodulifera Torre. Vinales.
nubila Poey. Sierra de Paso Real.
poeyana Orb. Guyabal.
poeyana variegata Pfr. Matanzas.
propinqua Gundl. Vinales (First Mogote).
rugeli Shutt. Abra de Figueroa, Matanzas.
scalarina Shutt. Abra de Figueroa, Matanzas.
strangulata Poey. Guines.
vignalensis (Wright) Pfr. Vinales.
vignalensis obscura Torre. Vinales.
Varicella acuticostata Orb. Guyabal.
gracillima Pfr. Matanzas.
pritchardi Arango. Caves near Mendoza.

NOTES ON THE NAIADES OF LONG ISLAND : II. ANODONTA CATARACTA
ON LONG ISLAND

BY N. M. GRIER

Des Moines University

Anodonta cataracta Say has been previously reported on Long Island from Kissena Park Lake, Flushing, (1), Lake Ronkonkema, (2), and from Prospect Park, Brooklyn, (3). The closely related if not identical species, *Anodonta implicata* Say, is also known from Prospect Park and from Baisley's Lake, Jamaica, (1, 3). In August, 1926, I observed an abundance of dead shells of *Anodonta cataracta* in the Nissequoque river at Smithtown, L. I., and at the Hempstead reservoir near Hempstead. This species does not seem to have been reported previously from either of these localities. Additionally, *Elliptio complanatus* Dillwyn is described as being moderately abundant at Riverhead, L. I. (4). All these species are members of the depauperate Atlantic coast fauna, having been reported from New England by Johnson, (5), while they are also found further south. Earlier, (2) I suggested the fair probability of their introduction on Long Island through the agency of birds,